AMENDMENTS TO THE CLAIMS

This listing of the claims replaces all prior versions, and listings of the claims in the application:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Previously Presented) A system for delivery of a drug to a patient comprising:

a drug delivery device arranged to deliver a dose of the drug to the patient over a plurality of breaths, the device including a breath analyser which

(i) analyses a patient's breathing during drug delivery, wherein the analysis by the breath analyzer includes quantitatively measuring at least one parameter of the patient's breathing; and

(ii) generates breath information on a patient's breathing during drug delivery wherein the breath information includes the at least one quantitative measurement of the patient's breathing;

a data carrier onto which the drug delivery device is arranged to place the breath information for a number of treatments;

a data analyser arranged to analyze the breath information from the data carrier, and to derive characteristics of the patient's breathing; and

a trend generator for analyzing the breath information and the characteristics of the patient's breathing over a number of treatments, wherein the breath information includes a total treatment time, a total inhalation time and a total exhalation time, and wherein the data analyser calculates a total no flow time value by subtracting the total inhalation time and the total exhalation time from the total treatment time.

10. (Previously Presented) A system for delivery of a drug to a patient comprising:

a drug delivery device arranged to deliver a dose of the drug to the patient over a plurality of breaths, the device including a breath analyser which

(i) analyses a patient's breathing during drug delivery, wherein the analysis by the breath analyzer includes quantitatively measuring at least one parameter of the patient's breathing; and

(ii) generates breath information on a patient's breathing during drug delivery wherein the breath information includes the at least one quantitative measurement of the patient's breathing;

a data carrier onto which the drug delivery device is arranged to place the breath information for a number of treatments;

a data analyser arranged to analyze the breath information from the data carrier, and to derive characteristics of the patient's breathing; and

a trend generator for analyzing the breath information and the characteristics of the patient's breathing over a number of treatments,   wherein the breath information includes a number of breaths per minute and a mean tidal volume, and wherein the data analyser calculates a minute volume value by dividing the number of breaths per minute by the mean tidal volume.

11. (Previously Presented) A system for delivery of a drug to a patient comprising:

a drug delivery device arranged to deliver a dose of the drug to the patient over a plurality of breaths, the device including a breath analyser which

(i) analyses a patient's breathing during drug delivery, wherein the analysis by the breath analyzer includes quantitatively measuring at least one parameter of the patient's breathing; and

(ii) generates breath information on a patient's breathing during drug delivery wherein the breath information includes the at least one quantitative measurement of the patient's breathing;

a data carrier onto which the drug delivery device is arranged to place the breath information for a number of treatments;

a data analyser arranged to analyze the breath information from the data carrier, and to derive characteristics of the patient's breathing; and

a trend generator for analyzing the breath information and the characteristics of the patient's breathing over a number of treatments,wherein the breath information further includes a mean inhalation flow and a mean inhalation time, and wherein the data analyser calculates a mean tidal volume value by multiplying the mean inhalation flow with the mean inhalation time with 0.7 and dividing by 60.

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Previously Presented) A method of identifying changes in condition of a patient over a number of treatments from a drug delivery device comprising:

analyzing a patient's breathing during drug delivery, including quantitatively measuring at least one parameter of that breathing;

generating breath information from the patient's breathing during drug delivery, including the quantitative measurement of that breathing;

transferring the breath information to a data analyser;

deriving characteristics of the patient's breathing from the breath information; and

analyzing the characteristics of the patient's treatments over a number of treatments to identify trends in those characteristics, wherein the step of quantitatively measuring at least one parameter includes a total treatment time, a total inhalation time, and a total exhalation time, and wherein the step of deriving characteristics of the patient's breathing includes calculating a total no flow time value by subtracting the total inhalation time and the total exhalation time from the total treatment time.

16. (Previously Presented) A method of identifying changes in condition of a patient over a number of treatments from a drug delivery device comprising:

analyzing a patient's breathing during drug delivery, including quantitatively measuring at least one parameter of that breathing; generating breath information from the patient's breathing during drug delivery, including the quantitative measurement of that breathing;

transferring the breath information to a data analyser;

deriving characteristics of the patient's breathing from the breath information; and

analyzing the characteristics of the patient's treatments over a number of treatments to identify trends in those characteristics, wherein the step of quantitatively measuring at least one parameter includes measuring a number of breaths per minute and a mean tidal

volume, and wherein the step of deriving characteristics of the patient's breathing includes calculating a minute volume value by dividing the number of breaths per minute by the mean tidal volume.

17. (Previously Presented) A method of identifying changes in condition of a patient over a number of treatments from a drug delivery device comprising:

analyzing a patient's breathing during drug delivery, including quantitatively measuring at least one parameter of that breathing; generating breath information from the patient's breathing during drug delivery, including the quantitative measurement of that breathing;

transferring the breath information to a data analyser;

deriving characteristics of the patient's breathing from the breath information; and

analyzing the characteristics of the patient's treatments over a number of treatments to identify trends in those characteristics, wherein the step of quantitatively measuring at least one parameter further includes measuring a mean inhalation flow and a mean inhalation time, and wherein the step of deriving characteristics includes calculating a mean tidal volume value by multiplying the mean inhalation flow with the mean inhalation time with 0.7 and dividing by 60.

18. (Cancelled)